ADDEUNDUM #4
IFB# 22-59
SUPERSTRUCTURE REPLACEMENT BEAVER STREET OVER BEAVER BROOK BRIDGE (NO. L-15-055)

The number of this Addendum, Addendum No. 4, must be entered in the space provided on the Bid Form.

CLARIFICATION / UPDATES TO SPECIAL CONDITION #22:

The quantity breakdown provided under Special Condition #22 is provided to facilitate partial payment to the Contractor throughout construction. Generally, the project is a Lump Sum project.

SC#22 is being re-issued under this Addendum. The following changes have been made:

- *Added*: Item 182.1 – Inspecting and Testing for Asbestos (1 LS)
- *Added*: Item 182.2 – Removal of Asbestos (300 FT)
- *Revised Quantity*: Item 664.060 – 60 Inch Chain Link Fence (STW) (Line Post Option). Quantity changed from 70FT to 80 FT.

ADDITION OF SPECIAL PROVISIONS:

The following Special Provisions have been added to the Contract and are attached to this Addendum.

- 182.1 – Inspecting and Testing for Asbestos – LS
- 182.2 – Removal of Asbestos – FT

ATTACHMENTS TO ADDENDUM #1:

The following attachments have been included under this Addendum:

- Re-issued Special Condition #22 containing updated Lum Sum partial payment breakdown.
- Additional Special Provisions for Items 182.1 and Item 182.2
- Revised Construction Drawing Sheets 4A, 16A, 17A, and 20A to illustrate the changes described herein.

QUESTIONS AND ANSWERS:

Questions Received via email on 3/15/2022

1. The Notes on Sheet 2 of 20 call for 5000 PSI, 3/8", 710 lb, HP Lightweight Concrete to fill the open grid deck below the T101 post base safety curb, while the General Note 9 on Sheet 16 of 20 calls for 4000 PSI, ¾", 610 lb, HP Lightweight Concrete. Please clarify which mix design shall be used for the lightweight concrete fill.

A: Refer to the Special Provisions (Item 995.) for additional information. Concrete at the location in question shall be 5000psi, 3/8", 710 HP Lightweight Cement Concrete.

2. The General Notes on Sheet 2 of 20 call for 4000 PSI, 1-1/2", 565 lb, Concrete to fill the core holes through the approach slabs after micropile installation, while Note 4 on Sheet 20 of 20 calls for 4000 PSI grout. Please clarify which mix design shall be used for the filling the core holes in the approach slabs.

A: Refer to the Special Provisions (Item 995.) for additional information. Concrete at the location in question shall be 4000psi, 1½", 565 Cement Concrete.

3. Section 20 on Sheet 17 of 20 shows mechanical reinforcing bar splicers tieing the Termini Transition bases to the existing approach slabs. Please provide details showing the extent of the approach slabs to be removed and replaced?

A: Existing approach slabs shall be retained. The relevant details on Sheet 17 have been revised and are attached to this addendum. There shall be no mechanical connection between the existing approach slab and the proposed end post.

4. Do the existing utilities on the bridge to be removed and stacked contain asbestos materials? If so, please provide an Item for Asbestos removal.

A: Items 182.1 and 182.2 have been added for asbestos testing and removal.

5. The Sidewalk Drainage Flume at station 12+15, Right is shown discharging directly into a loam and seed area. Will this method be sufficient, or will a rip rap splash pad be required as well?

A: As noted in Special Provisions Item 204.119, a splash pad is included within this Item. All costs related to the splash pad shall be included in the Lump Sum price.

6. The plans currently show the chain link fence on the southeast corner terminating within the limits of the Sidewalk Drainage Flume Outlet. Will this section of fence need to be extend beyond the limits of the Drainage Flume Outlet due to the 1' dropoff from the sidewalk grade to the outlet splash pad grade?

A: Yes, the CLF in this corner should be extended beyond the sidewalk drainage flume. CLF posts shall straddle the drainage flume. Total length of CLF in this location shall be increased to 25ft from 15ft.

As reflected in the updated Bid Quantities, the total quantity for Item 644.060 shall be increased to 80ft from 70ft.

7. The guardrail Detail notes on Sheet 10 call for a Terminal End Unit at station 12+42 Right, while the Plan View on Sheet 4 calls for a Trailing Anchorage at this location. Please clarify which end treatment will be required for the end of guardrail.

A. Guardrail shall be constructed in accordance with the guardrail notes on Sheet 10.

Questions Received via email on 3/16/2022

8. Item 995 "Bridge Superstructure, Bridge No. L-15-015" lists item "933. Elastomeric Bearing Pad" with a quantity of 14 EA; please confirm quantity.

A. Confirmed. This sub-item includes the truss bearings (4 bearing locations) and all stringer bearings within the roadway (10 bearing locations).

9. The Bearing Assembly shown on the left hand side of Sheet 7 of 20 states "Bearing Assembly (Designed by Contractor Using Method B)". Please provide more details and information as we are not bearing designers.

A. The elastomeric bearings are contractor designed elements for this project. Method B is a standard bearing design methodology specified within the MassDOT LRFD Bridge Manual and the AASTHO LRFD Bridge Design Specifications, which govern this project. Recommend consulting with the truss designer or other party designing the bearings.

10. The contract drawings and proposal call out different AASHTO design codes. The contract drawings on page 2 under General Notes state the design is to be in accordance with AASHTO LRFD Bridge Design 8th Edition (2017). The proposal on page SP-68 states the design shall be in accordance with AASHTO Standard Specifications 17th Edition (2002). Both contract drawing and proposal state design live load of HS-20. Please clarify which AASHTO spec and confirm the design live load?

A. The design shall be in accordance with AASHTO LRFD Bridge Design Specifications, 8th Edition. The design live load shall be HS-20.